

SYSTEM AND METHOD FOR MOVING OBJECTS WITHIN TWO-DIMENSIONAL SPACE

Abstract

Embodiments of the invention move objects throughout two-dimensional space by using a support rope that is coupled with both opposing sides of the platform. This rope controls the Y-axis motion and Z-axis motion of the platform and is designated the YZ movement rope. Displacing a portion of the YZ movement rope allows vertical displacement of the platform to be traversed. There is no need for a complex computer control system since the Z-axis displacement is substantially independent of horizontal movement over a coverage area serviced by the platform. In addition, since the rope is commanded from one point, distantly located motors and electrical cables are not required. Many types of useful devices may then be attached to the platform including devices that require external power or devices that possess their own power and are operated via wireless signals.